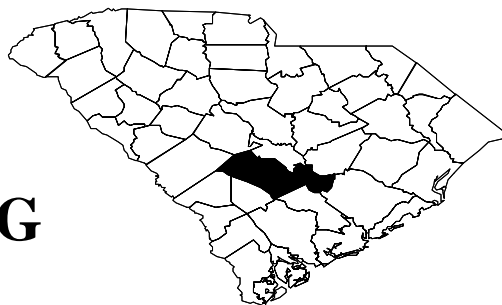




# Diabetes In ORANGEBURG County, 2005



Produced by the South Carolina Department of Health and Environmental Control

## Impact of Diabetes in the United States

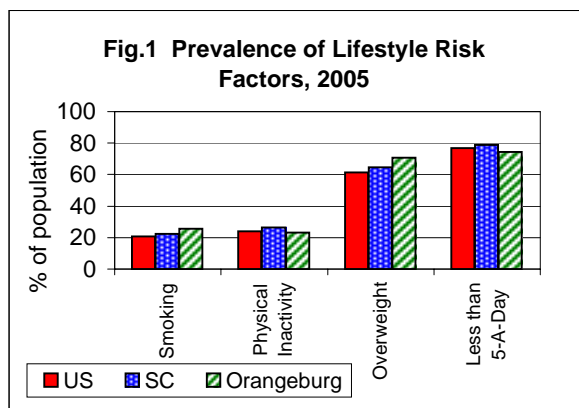
- Diabetes affects more than 23 million Americans and contributes to almost 234,000 deaths a year.
- Diabetes is becoming more common in the United States. From 1980 through 2007, the number of Americans with diabetes increased from 5.6 million to 17.9 million
- The direct and indirect costs of diabetes in the U.S. were nearly \$174 billion in 2007.
- 72,507 people died of diabetes in the U.S. in 2006.

## Diabetes in South Carolina

- Approximately 332,000 adults in South Carolinians are diagnosed with diabetes. African Americans have twice the prevalence than Whites.
- The total direct costs of hospitalizations and emergency room visits were over \$8.5 billion in 2005.
- Diabetes is the seventh leading cause of death in South Carolina, claiming 1,183 lives in 2005.

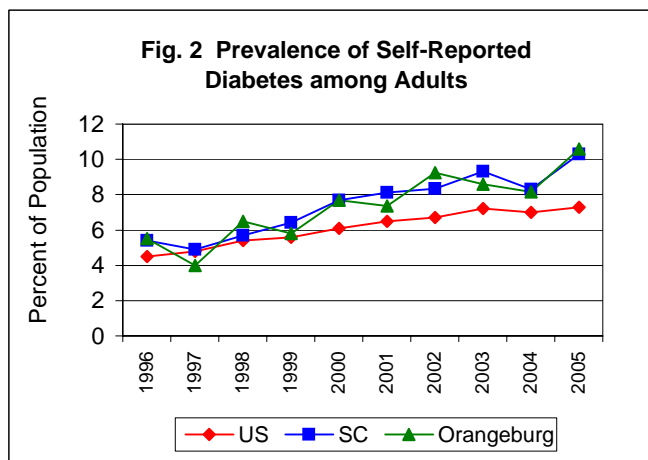
## Behavioral Risk Factors

- Major behavioral risk factors, such as overweight, physical inactivity and unhealthy diet, are partially responsible for development of type 2 diabetes (Fig 1).



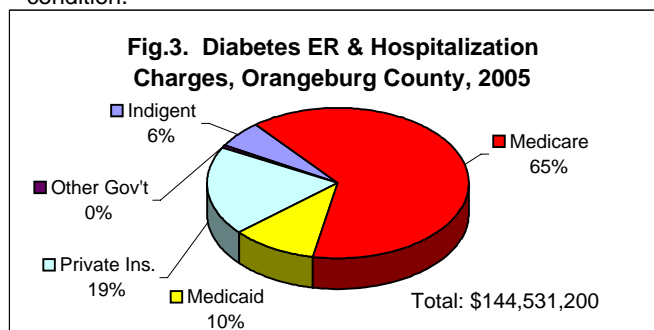
## Diabetes Prevalence

- An estimated 7325 adults (10.6% of adults) in Orangeburg County suffer annually from Diabetes (Fig 2).



## Hospital and Emergency Room Discharges

- In 2005, there were 332 hospitalizations for Diabetes in Orangeburg County for all ages.
- There were an additional 2882 hospital discharges with diabetes-related conditions in Orangeburg County.
- In 2005, there were 413 emergency room (ER) visits for diabetes as the primary diagnosis, among which 343 (83%) were by African-American patients.
- There were 3362 ER visits for diabetes as a related condition.



- Medicare paid for 65% of the ER and Hospitalization charges in Orangeburg County (Fig 3).

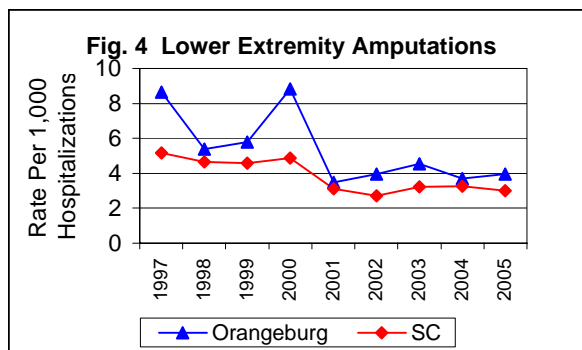
## Complications

- Almost all patients (97%) hospitalized in SC for diabetes had complications in 2005; 30% of hospitalizations in Orangeburg County (Table 1).
- In 2005, nearly three-quarters of people in SC with diabetes had hypertension, compared with only one-fourth of people without diabetes.

**Table 1. Hospitalizations for Diabetes Complications in Orangeburg County in 2005.**

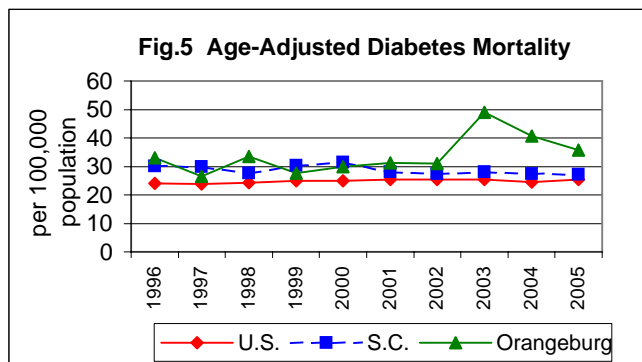
Diabetes Complication	Hospital Admissions	Percent of Diabetes Hospital Admissions	Total costs
Renal Failure	649	20%	\$18,569,900
Lower Extremity Amputation	54	2%	\$2,256,400
Keto-acidosis	112	3%	\$2,064,900
Retinopathy	144	4%	\$4,279,000

- In 2005, more than 60% of people with diabetes have high cholesterol.
- In 2005, the rates for lower extremity amputations among blacks in SC were four times the rates among whites.

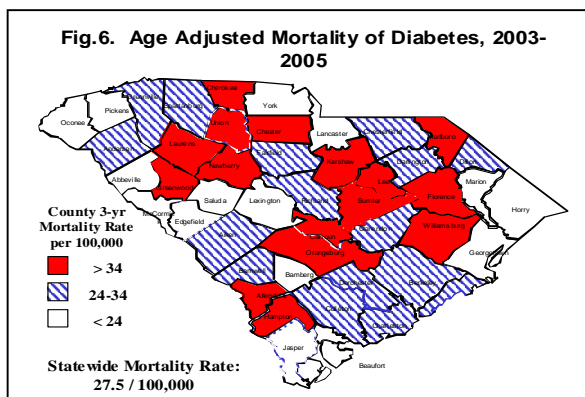


## Mortality

- Diabetes is the sixth leading cause of death in Orangeburg County.
- A total of 36 people in Orangeburg County died from diabetes in 2005.



- The Orangeburg County mortality rate was 35.7/100,000 in 2005, above to the state average.
- Orangeburg County ranks #8 in diabetes mortality in South Carolina 2003-2005.



### For More Information about diabetes contact:

Division of Diabetes Prevention and Control:

DHEC Bureau of Community Health and Chronic Disease Prevention

<http://www.dhec.sc.gov/health/chcdp/diabetes/index.htm>

(803) 545-4471

Diabetes Initiative of South Carolina

<http://www.musc.edu/diabetes/>

**Generated by: Office of Chronic Disease Epidemiology,  
Bureau of Community Health and Chronic Disease  
Prevention**

[http://www.scdhec.gov/hs/epidata/state\\_reports.htm](http://www.scdhec.gov/hs/epidata/state_reports.htm)



### Data Sources:

For more details, please view the Technical Document below

[www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf](http://www.scdhec.gov/health/epidata/docs/EpiTechNotes.pdf)

### Hospital Discharges and ER Visits, contact:

Office of Research and Statistics SC  
Budget and Control Board  
(803) 898-9958

